

Linear algebra over rings :  
unimodular rows and completability

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Let  $R$  be a commutative ring (e.g. the integers). The main aim of the talk is to discuss when more rows can be added to a right invertible matrix over  $R$  so that it remains right invertible. Time permitting, we will explain the history, some recent developments and open questions related to this discussion. For most part, the talk should be accessible to anyone familiar with linear algebra and elementary ring theory.